## Schwegman ■ Lundberg ■ Woessner ■ Kluth

## **United States Patent Application**

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **SYNTHETIC NUCLEIC ACID MOLECULE COMPOSITIONS AND METHODS OF PREPARATION**.

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. §T.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is chaimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. 8 1196

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

No such claim for priority is being made at this time.

Attorney Docket No.: 341.005US1 Serial No. not assigned Filing Date: not assigned

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Anglin_J. Michael   Reg. No. 24,916   Justovich, Patti J. Reg. No. 44,813   Nielsen, Walter W. Reg. No. 25,539   Billion, Richard E. Reg. No. 39,610   Kalis, Janal M. Reg. No. 37,650   Ob. Allen J. Reg. No. 25,635   Billion, Richard E. Reg. No. 32,336   Kaufmann, John D. Reg. No. 24,917   Parker, J. Kevin Reg. No. 35,635   Renan, Loudiede M. Reg. No. 42,331   Klub, Daniel J. Reg. No. 42,919   Parker, J. Kevin Reg. No. 35,635   Renan, Loudiede M. Reg. No. 35,532   Klub, Daniel J. Reg. No. 32,146   Perdok, Monique M. Reg. No. 42,989   Brenan, Thoms F. Reg. No. 35,932   Klub, Daniel J. Reg. No. 31,916   Prout, William F. Reg. No. 33,905   Royal Renan, J. Reg. No. 41,676   Lew More, Dana B. Reg. No. 41,676   Prout, William F. Reg. No. 33,905   Renan, J. Reg. No. 41,676   Lew More, Dana B. Reg. No. 40,508   Schwagman, Michael L. Reg. No. 25,816   Reg. No. 18,161   Reg. No. 41,676   Lew More, Dana B. Reg. No. 40,508   Schwagman, Michael L. Reg. No. 25,816   Reg. No. 18,161   Reg. No. 40,677   Reg. No. 41,676   Reg. No. 34,618   Reg. No. 41,676   Reg. No. 41,676   Reg. No. 41,678   Reg. No. 42,673   Reg. No. 42,555   Reg. No. 42,573   Reg. No. 42,573   Reg. No. 42,574								
Blaich, Timothy F. Reg. No. 39,810 Kaufmann, John D. Reg. No. 37,850 Plack, David W. Reg. No. 32,831 Klima-Silberg, Calbrine I. Reg. No. 40,912 Parker, J. Kevin Reg. No. 33,3024 Black, David W. Reg. No. 35,353 Klima-Silberg, Calbrine I. Reg. No. 40,952 Parker, J. Kevin Reg. No. 31,3024 Bernana, Looniede M. Reg. No. 35,357 Laey, Rothey L. Reg. No. 40,952 Parker, J. Kevin Reg. No. 31,3024 Bernana, Thomas F. Reg. No. 35,357 Laey, Rothey L. Reg. No. 41,136 Prout, William F. Reg. No. 33,3025 Lenaire, Charles A. Reg. No. 41,136 Prout, William F. Reg. No. 33,995 Lenaire, Charles A. Reg. No. 40,962 September M. Reg. No. 34,962 Lenaire, Charles A. Reg. No. 40,962 September M. Reg. No. 34,962 Lenaire, Charles A. Reg. No. 40,962 September M. Reg. No. 34,962 Lenaire, Charles A. Reg. No. 40,962 September M. Reg. No. 34,962 Lenaire, Charles A. Reg. No. 40,962 September M. Reg. No. 34,962 Lenaire, Charles A. Reg. No. 40,962 September M. Reg. No. 34,962 Lenaire, Charles A. Reg. No. 40,962 September M. Reg. No. 34,963 Drake, Eduardo E. Reg. No. 40,954 Maki, Peter C. Reg. No. 40,962 September M. Reg. No. 34,568 Drake, Eduardo E. Reg. No. 40,954 Maki, Peter C. Reg. No. 42,853 September M. Reg. No. 43,568 Malten, Peter L. Reg. No. 42,853 September M. Reg. No. 43,568 Malten, Peter C. Reg. No. 42,853 September M. Reg. No. 35,644 Mater, Robert E. Reg. No. 42,853 September M. Reg. No. 35,644 Meters Robert E. Reg. No. 42,853 September M. Reg. No. 35,644 Meters Robert E. Reg. No. 42,853 September M. Reg. No. 35,644 Meters Robert E. Reg. No. 42,853 September M. Reg. No. 35,644 Meters Robert E. Reg. No. 42,673 Nelson, Albin J. Reg. No. 33,748 Vitv. Neg. No. 45,416 Gamon, Owen J. Reg. No. 36,143 Moore, Charles L. Jr. Reg. No. 33,742 Viksnins, Ann S. Reg. No. 37,748 Rurris, Robert J. Reg. No. 36,143 Moore, Charles L. Jr. Reg. No. 38,140 Nelson, Albin J. Reg. No. 28,650 Nelson, Albin J. Reg. No. 28,650 Nelson, Albin J. Reg. No. 36,143 Nelson, Albin J. Reg. No. 28,650 Nelson, Albin J. Reg. No. 36,144 Nelson M. Reg. No. 36,144 Nelson M. Reg. N	Anglin, J. Michael	Reg. No. 24,916	Jurkovich, Patti J.	Reg. No. 44.813	Nielsen, Walter W.	Reg. No. 25,539		
Billion, Richard E Reg. No. 22,386 Black, David W. Reg. No. 42,318 Black, David W. Reg. No. 42,318 Breman, Loniede M. Reg. No. 42,351 Breman, Loniede M. Reg. No. 35,352 Breman, Loniede M. Reg. No. 40,253 Leay, Rodnely L. Reg. No. 32,146 Breman, Loniede M. Reg. No. 40,255 Leay, Rodnely L. Reg. No. 32,146 Breman, Loniede M. Reg. No. 40,255 Leay, Rodnely L. Reg. No. 32,146 Breman, Loniede M. Reg. No. 40,255 Leay, Rodnely L. Reg. No. 32,146 Breman, Loniede M. Reg. No. 40,255 Leay, Rodnely L. Reg. No. 32,146 Breman, Loniede M. Reg. No. 40,255 Leay, Rodnely L. Reg. No. 30,619 Brooks, Edward J., III Reg. No. 40,255 Leavier, Le								
Black, David W. Reg. No. 42,313 Klima-Silberg, Catherine I. Reg. No. 40,052 Parker, J. Kevim. Reg. No. 33,024 Bremnan, Thomas F. Reg. No. 35,8075 Lacy, Rodney L. Reg. No. 41,136 Prout, William F. Reg. No. 33,905 Losy, Rodney L. Reg. No. 41,136 Prout, William F. Reg. No. 33,995 Losy, Rodney L. Reg. No. 41,136 Prout, William F. Reg. No. 33,995 Losy, Rodney L. Reg. No. 41,136 Prout, William F. Reg. No. 33,995 Losy, Rodney L. Reg. No. 40,062 Sebwegman, Micheal L. Reg. No. 25,816 Losy, Rodney L. Londerg, Rodney L. Londerg, Rodney L. Londerg, Rodney L. Reg. No. 40,062 Sebwegman, Micheal L. Reg. No. 25,816 Dahl, John M. Reg. No. 44,639 Mavyaert, Paul L. Reg. No. 40,076 Smith, Michael G. Reg. No. 40,640 Makis, Peter C. Reg. No. 40,076 Smith, Michael G. Reg. No. 45,368 Embretson, Janet E. Reg. No. 40,966 Mates, Robert E. Reg. No. 42,545 Mates, Robert E. Reg. No. 42,545 Mates, Robert E. Reg. No. 42,545 Mates, Robert E. Reg. No. 30,337 McCrackin, Anm M. Reg. No. 42,557 Terry, Kathee R. Reg. No. 30,337 McCrackin, Anm M. Reg. No. 42,557 Terry Kathee R. Reg. No. 30,434 Moore, Charlest L. Jr. Reg. No. 34,247 Vikania, Ann S. Reg. No. 37,346 Nama, Kash Reg. No. 42,255 Woessner, Warren D. Reg. No. 30,440 Nebsoch C. Reg. No. 42,678 Nama, Kash Reg. No. 42,255 Woessner, Warren D. Reg. No. 30,440 Nebsoch C. Reg. No. 42,678 Nama, Kash Reg. No. 42,655 Woessner, Warren D. Reg. No. 30,440 Nebsoch C. Reg. No. 42,678 Nama, Kash Reg. No. 42,655 Woessner, Warren D. Reg. No. 30,440 Nebsoch C. Reg. No. 42,678 Nama, Kash Reg. No. 42,655 Woessner, Warren D. Reg. No. 30,440 Nebsoch C. Reg. No. 42,678 Nama, Kash Reg. No. 42,679 Woessner & Kluth, P.A. to the contrary. Plase direct all correspondence in this case to them and by whom/which I hereby declare that I have consented after full diglosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary. Plase direct all correspondence in this case to them and by whom/which first sends/sent this case to them and by whom/which first sends/sent this case t								
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Breman, Thomas F. Reg. No. 35,075 Ley, Rodney L. Reg. No. 41,136 Prout, William F. Reg. No. 33,995 Brooks, Edward J. III Reg. No. 40,025 Lemairs, Charles A. Reg. No. 40,062 Schwegman, Michael L. Reg. No. 31,995 Chu, Dinh C.P. Reg. No. 41,676 LeMoine, Dana B. Reg. No. 40,062 Schwegman, Michael L. Reg. No. 25,816 Clark, Barbara J. Reg. No. 31,070 Lundberg, Steven W. Reg. No. 30,568 Scott, John C. Reg. No. 38,613 Dahl, John M. Reg. No. 44,639 Macyaert, Paul L. Reg. No. 40,076 Smith, Michael G. Reg. No. 45,368 Embretson, Janet E. Reg. No. 40,964 Maki, Peter C. Reg. No. 42,823 Speier, Gary J. Reg. No. 45,458 Embretson, Janet E. Reg. No. 39,665 Malen, Peter L. Reg. No. 42,823 Speier, Gary J. Reg. No. 45,458 Embretson, Janet E. Reg. No. 25,179 Sprodenbacher, Paul J. Reg. No. 42,843 Malen, Peter L. Reg. No. 42,823 Speier, Gary J. Reg. No. 54,548 Embretson, Janet E. Reg. No. 30,0337 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 25,179 Gordon-bacher, Sp. No. 25,179 Sprodenbacher,	•				•			
Brooks, Edward J., III Reg. No. 40,925 Lemaire, Charles A. Reg. No. 36,198 Schumm, Sherry W. Reg. No. 39,422 Chu, Dinh C.P. Reg. No. 42,676 LeMoine, Dana B. Reg. No. 40,062 Schwegman, Micheal L. Reg. No. 28,816 Clark, Barbara J. Reg. No. 43,518 Maylor Lundberg, Steven W. Reg. No. 30,568 Scott, John C. Reg. No. 38,613 Dahl, John M. Reg. No. 40,594 Makl, Peter C. Reg. No. 40,076 Smith, Michael G. Reg. No. 45,368 Drake, Eduardo E. Reg. No. 40,594 Makl, Peter C. Reg. No. 42,832 Speier, Gary J. Reg. No. 45,458 Embretson, Jannet E. Reg. No. 30,568 Malen, Peter L. Reg. No. 42,832 Speier, Gary J. Reg. No. 45,458 Tong-Fordenbacher, Paul J. Reg. No. 42,546 Mates, Robert E. Reg. No. 42,832 Speier, Gary J. Reg. No. 52,179 Fordenbacher, Paul J. Reg. No. 30,317 McCrackin, Ann M. Reg. No. 28,288 Tong, Viet V. Reg. No. 45,416 Gamon, Owen J. Reg. No. 30,6143 Moore, Charlest L., Ir. Reg. No. 33,742 Vikinins, Ann S. Reg. No. 37,448 Hurbsch, Joseph C. Reg. No. 42,673 Nelson, Albin J. Reg. No. 28,650 Woessner, Warren D. Reg. No. 30,440 Hucbsch, Joseph C. Reg. No. 42,673 Nelson, Albin J. Reg. No. 28,650  Thereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/furn/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  P.O. Box 2938, Minneapolis, MN 55402 Telephone No. (612)373-6900  Thereby declare that all statements made herein of my own knowledge are true and that all statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements made herein or any partent issued thereon.    Date:   Date:   Date:			Leav Bodney I	Doc No. 41 126				
Chu, Dinh C.P. Reg. No. 41,676 LeMoine, Dana B. Reg. No. 40,062 Schwegman, Michael L. Reg. No. 25,816 Clark, Barbara J. Reg. No. 30,167 Lundberg, Steven W. Reg. No. 30,568 Scott, John C. Reg. No. 38,613 Dahl, John M. Reg. No. 44,639 Makayert, Paul L. Reg. No. 40,076 Smith, Michael G. Reg. No. 45,368 Embretson, Janet E. Reg. No. 49,94 Maki, Feter C. Reg. No. 42,822 Spice, Gary J. Reg. No. 45,458 Embretson, Janet E. Reg. No. 49,965 Maki, Peter L. Reg. No. 42,821 Spice, Gary J. Reg. No. 45,458 Embretson, Janet E. Reg. No. 39,665 Malen, Peter L. Reg. No. 44,894 Steffley, Charles E. Reg. No. 25,179 Fordenbacher, Paul J. Reg. No. 42,646 Mates, Robert E. Reg. No. 35,271 Torry, Kathleen R. Reg. No. 51,184 Forrest, Bradley A. Reg. No. 30,837 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 43,184 Moore, Charles L. Jr. Reg. No. 33,742 Vskinins, Am. S. Reg. No. 37,748 Harris, Robert J. Reg. No. 37,346 Nama, Kash Reg. No. 42,855 Woessner, Warren D. Reg. No. 30,440 Huebsch, Joseph C. Reg. No. 42,673 Nelson, Albin J. Reg. No. 28,650 Welson, Vieton, Albin J. Reg. No. 28,650 Nelson, Albin J. Reg. No. 28,650 Telephone No. 612,373-6900 Madison, WI 53711 Telephone No. 612,373-6900 Madison, WI 53711 While States of America America Madison, WI 53711 While States of America Madison, WI 53711 While States of America Madison, WI 53711 Date:    Date:   Date	•							
Clark, Barbara J. Reg. No. 33,107 Lundberg, Steven W. Reg. No. 30,568 Scott, John C. Reg No. 38,613 Dahl, John M. Reg. No. 40,639 Mayer, Paul L. Reg. No. 40,076 Smith, Michael G. Reg. No. 45,568 Drake, Eduardo E. Reg. No. 40,594 Maki, Peter C. Reg. No. 42,832 Speier, Gary J. Reg. No. 45,458 Embretson, Janet E. Reg. No. 39,665 Malen, Peter L. Reg. No. 44,834 Stepfery, Charles E. Reg. No. 25,179 Fordenbacher, Paul J. Reg. No. 42,546 Mates, Robert E. Reg. No. 53,271 Terry, Kathleen R. Reg. No. 31,884 Forrest, Bradley A. Reg. No. 30,813 McCrackin, Ann M. Reg. No. 42,588 Trong, Viet V. Reg. No. 53,284 Garnon, Owen J. Reg. No. 36,143 Moore, Charles L., Jr. Reg. No. 33,742 Viksnins, Ann S. Reg. No. 37,748 Harris, Robert J. Reg. No. 34,246 Nama, Rash Reg. No. 44,255 Woessner, Warren D. Reg. No. 37,748 Huebsch, Joseph C. Reg. No. 42,673 Nelson, Albin J. Reg. No. 28,650  I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/furn/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  PLEASE direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  P.O. Box 2938, Minneapolis, Mn 55402  Telephone No. (612)373-6900  Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements may jeopardize the validity of the application or any patent issued thereon.  Weith V. Wood  Residence: Madison, WI 53711  Signature:  United States of America Madison, WI 53715  Nalis Reg. No. 2938, Minneapolis, Mn Mn States  Residence: Madison, WI  Date:  Date:  Date:  Keith V. Wood								
Dahl, John M. Reg. No. 44,639 Meyaert, Paul L. Reg. No. 40,076 Smith, Michael G. Reg. No. 45,568 Drake, Eduardo E. Reg. No. 40,594 Maki, Peter C. Reg. No. 42,812 Speier, Gary J. Reg. No. 45,458 Embretson, Janet E. Reg. No. 39,665 Malen, Peter L. Reg. No. 44,894 Steffey, Charles E. Reg. No. 25,179 Fordenbacher, Paul J. Reg. No. 30,687 Malen, Peter L. Reg. No. 35,271 Terry, Kathleen R. Reg. No. 31,884 Forrest, Bradley A. Reg. No. 30,837 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 45,416 Gamon, Owen J. Reg. No. 30,837 McCrackin, Ann M. Reg. No. 33,742 Visins, Ann S. Reg. No. 37,748 Harris, Robert J. Reg. No. 37,748 Harris, Robert J. Reg. No. 37,748 Harris, Robert J. Reg. No. 37,346 Nama, Kash Reg. No. 42,855 Woessner, Warren D. Reg. No. 30,440 Huebsch, Joseph C. Reg. No. 42,673 Nelson, Albin J. Reg. No. 28,650  I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/fum/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full displayed to be represented unless/nutil I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  Please direct all correspondence in this case to Schwegman, Lundberg, Woessner			•					
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Embresson, Janet E. Reg. No. 32,656 Malen, Peter L. Reg. No. 44,844 Sieffey, Charles E. Reg. No. 25,179 Fordenbacher, Paul J. Reg. No. 32,546 Mates, Robert E. Reg. No. 35,271 Terry, Kathleen R. Reg. No. 31,884 Forrest, Bradlety A. Reg. No. 30,837 McCnackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 45,416 Gamon, Owen J. Reg. No. 31,143 Moore, Charles L. Jr. Reg. No. 33,742 Vikunins, Ann S. Reg. No. 45,416 Harris, Robert J. Reg. No. 37,346 Nama, Kash Reg. No. 42,655 Woessner, Warren D. Reg. No. 30,440 Huebsch, Joseph C. Reg. No. 42,673 Nelson, Albin J. Reg. No. 28,650  I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/ furn/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  P.O. Box 2938, Minneapolis, MN 55402  Telephone No. (612)373-6900  Thereby declare that all statements made herein of my own knowledge are true and that all statements and the like so miade are punishable by fine or imprisomment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.  Full Name of joint inventor number 1: Keith V. Wood  Gizenship: United States of America  Residence: Madison, WI  Signature: Date:  Date:  Date:  Date:  Date:	-							
Fordenbacher, Paul J. Reg. No. 42,546 Mates, Robert E. Reg. No. 35,271 Torry, Kathleen R. Reg. No. 31,884 Forest, Bradley A. Reg. No. 30,373 McCackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 45,416 Gamon, Owen J. Reg. No. 36,143 Moore, Charles L., Jr. Reg. No. 33,742 Viksnins, Ann S. Reg. No. 37,748 Harris, Robert J. Reg. No. 37,346 Nama, Kash Reg. No. 42,855 Woessner, Warren D. Reg. No. 37,748 Harris, Robert J. Reg. No. 42,673 Nelson, Albin J. Reg. No. 28,650  I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/fum/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full displayed to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  P.O. Box 2938, Minneapolis, MN 55402  Telephone No. (612)373-6900  I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.    Madison, WI 53711   Signature:   Date:   Date:	Drake, Eduardo E.	Reg. No. 40,594	Maki, Peter C.	Reg. No. 42,832	Speier, Gary J.			
Forest, Bradley A. Reg. No. 30,837 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 43,416 Gamon, Owen J. Reg. No. 33,446 Nama, Kash Reg. No. 33,745 Viksnins, Ann S. Reg. No. 37,748 Harris, Robert J. Reg. No. 37,346 Nama, Kash Reg. No. 42,655 Woessner, Warren D. Reg. No. 30,440 Huebsch, Joseph C. Reg. No. 42,673 Nelson, Albin J. Reg. No. 28,650  I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/furn/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  P.O. Box 2938, Minneapolis, MN 55402  Telephone No. (612)373-6900  Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so miade are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.  Full Name of joint inventor number 1: Keith V. Wood  Full Name of joint inventor number 2: Monika G. Gruber  United States of America  A Residence: Madison, WI  Signature:  Date:  Residence: Madison, WI  Signature:  Date:	Embretson, Janet E.	Reg. No. 39,665	Malen, Peter L.	Reg. No. 44,894		Reg. No. 25,179		
Forest, Bradley A. Reg. No. 30,837 McCrackin, Ann M. Reg. No. 42,858 Tong, Viet V. Reg. No. 43,416 Gamon, Owen J. Reg. No. 33,446 Nama, Kash Reg. No. 33,745 Viksnins, Ann S. Reg. No. 37,748 Harris, Robert J. Reg. No. 37,346 Nama, Kash Reg. No. 42,655 Woessner, Warren D. Reg. No. 30,440 Huebsch, Joseph C. Reg. No. 42,673 Nelson, Albin J. Reg. No. 28,650  I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/furn/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  P.O. Box 2938, Minneapolis, MN 55402  Telephone No. (612)373-6900  Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so miade are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.  Full Name of joint inventor number 1: Keith V. Wood  Full Name of joint inventor number 2: Monika G. Gruber  United States of America  A Residence: Madison, WI  Signature:  Date:  Residence: Madison, WI  Signature:  Date:	Fordenbacher, Paul J.	Reg. No. 42,546	Mates, Robert E.	Reg. No. 35,271	Terry, Kathleen R.	Reg. No. 31,884		
Gamon, Owen J. Reg. No. 36,143 Moore, Charles L., Jr. Reg. No. 33,742 Viknins, Ann S. Reg. No. 37,748 Harnis, Robert J. Reg. No. 37,346 Nama, Kash Reg. No. 44,2673 Welson, Albin J. Reg. No. 28,650 Woessner, Warren D. Reg. No. 30,440 Huebsch, Joseph C. Reg. No. 42,673 Nelson, Albin J. Reg. No. 28,650  I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/furn/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.  Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below: P.O. Box 2938, Minneapolis, MN 55402 Telephone No. (612)373-6900  Thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.  While the proposed proporation of the proposed proporation of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.  While the proposed proporation of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.  While the proposed proporation of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.  While the proposed propose			McCrackin, Ann M.			Reg. No. 45,416		
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fundorganization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.  Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:  P.O. Box 2938, Minneapolis, MN 55402 Telephone No. (612)373-6900  I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.  Full Name of joint inventor number 1: Keith V. Wood  Gizenship: United States of America Residence: Madison, WI  Full Name of joint inventor number 2: Monika G. Gruber Citizenship: United States of America Residence: Madison, WI  Full Name of joint inventor number 2: Monika G. Gruber Citizenship: United States of America Residence: Madison, WI  Full Name of Joint inventor number 2: Monika G. Gruber Citizenship: United States of America Residence: Madison, WI  Full Name of Joint inventor number 2: Monika G. Gruber Citizenship: United States of America Residence: Madison, WI  Full Name of Joint inventor number 2: Monika G. Gruber Citizenship: United States of America Residence: Madison, WI  Full Name of Joint inventor number 2: Monika G. Gruber Citizenship: United States of America Date:  Date:	nucoscii, sosepii e.	Reg. 140. 42,073	reison, ruom s.	Neg. 140. 20,050				
Gitizenship: United States of America Residence: Madison, WI  Rost Office Address: 2800 Woods Hollow Road Madison, WI 53711  Signature: Date:  Keith V. Wood  Full Name of joint inventor number 2: Monika G. Gruber Citizenship: United States of America Residence: Madison, WI  Post Office Address: 1312 Drake Street Madison, WI 53715  Signature: Date:	P.O. Box 2938, Minneapolis, MN 55402 Telephone No. (612)373-6900  I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
Signature: Date:    Keith V. Wood	Gifizenship:	United Sta	ates of America	Residence: Madis	son, WI			
Signature:    Date:		Madison V	WI 53711					
Full Name of joint inventor number 2 : Monika G. Gruber Citizenship: United States of America Residence: Madison, WI Post Office Address: 1312 Drake Street Madison, WI 53715  Signature: Date:	Sample S	mudison,	***133711					
Full Name of joint inventor number 2 : Monika G. Gruber Citizenship: United States of America Residence: Madison, WI Post Office Address: 1312 Drake Street Madison, WI 53715  Signature: Date:				_				
Full Name of joint inventor number 2 : Monika G. Gruber Citizenship: United States of America Residence: Madison, WI Post Office Address: 1312 Drake Street Madison, WI 53715  Signature: Date:	Signature:			Date:				
Full Name of joint inventor number 2 : Monika G. Gruber Citizenship: United States of America Residence: Madison, WI Post Office Address: 1312 Drake Street Madison, WI 53715  Signature: Date:		Keith V. Wood						
Citizenship: United States of America Residence: Madison, WI  Post Office Address: 1312 Drake Street Madison, WI 53715  Signature: Date:								
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Citizenship: United States of America Residence: Madison, WI  Post Office Address: 1312 Drake Street Madison, WI 53715  Signature: Date:		-						
Citizenship: United States of America Residence: Madison, WI  Post Office Address: 1312 Drake Street Madison, WI 53715  Signature: Date:	Full Name of joint inver	ntor number 2: M	Ionika G. Gruber					
Post Office Address: 1312 Drake Street Madison, WI 53715  Signature: Date:				Residence: Madis	son. WI			
Madison, WI 53715				Residence. Water	TVA			
Signature: Date:	rost Office Address:							
		Madison, <sup>V</sup>	W1 53715			•		
	Signature:			Date				
Monika G. Gruber	Digitature.	Maniles C. C. 1		Date.				
		Monika G. Grube	Γ					

X Additional inventors are being named on separately numbered sheets, attached hereto.

Attorney Docket No.: 341.005US1 Serial No. not assigned Filing Date: not assigned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint invent Citizenship: Post Office Address:	or number 3: Yao Zhuang United States of America 6933 Chester Drive #H Madison, WI 53719	Residence: Madison, WI	
Signature:	Yao Zhuang	Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	
Gitizenship: Post Office Address:		Residence:	
Senature:		Date:	
Full Name of inventor: Citizenship: Post Office Address:		Residence:	
Signature:		Date:	

Attorney Docket No.: 341.005US1 Serial No. not assigned Filing Date: not assigned

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## § 1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
  - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
  - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- Under this section, information is material to patentability when it is not cumulative to information already of record or being raide of record in the application, and
  - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
  - (2) It refutes, or is inconsistent with, a position the applicant takes in:
    - (i) Opposing an argument of unpatentability relied on by the Office, or
    - (ii) Asserting an argument of patentability.

Aprima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application:
  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.